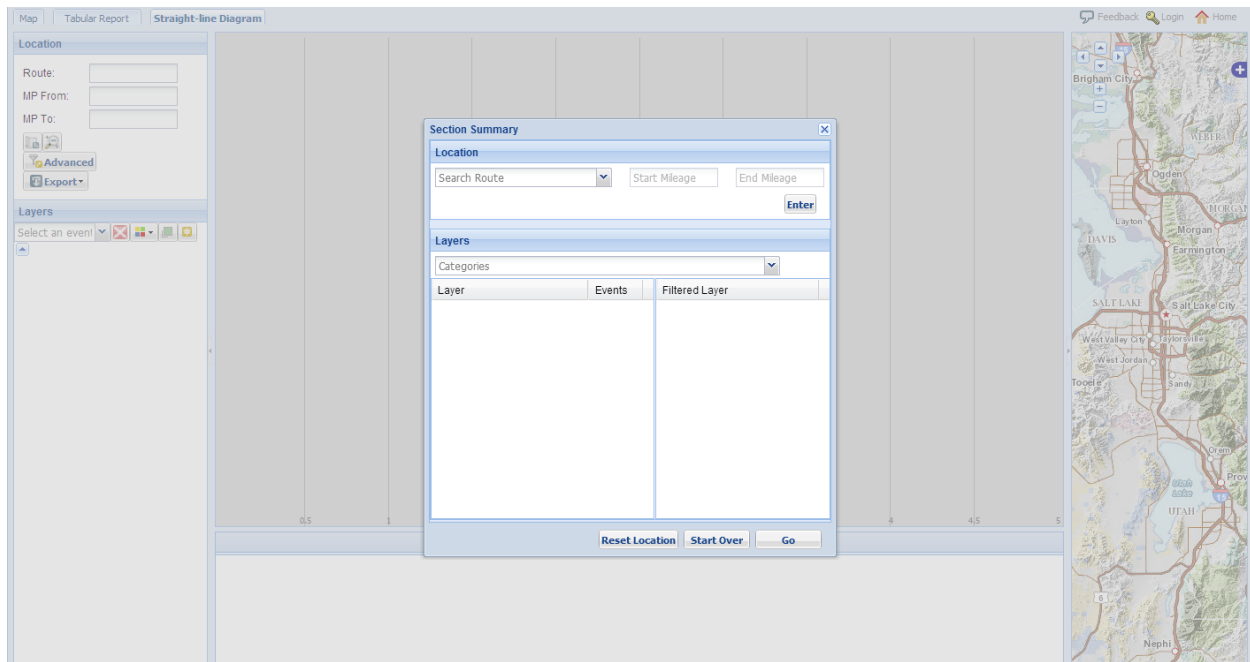


# Linear Bench Tutorial



**Section Summary**

**Location**

1. 0015P (dropdown menu)

2. 0 (input field) 400.592 (input field)

3. Enter (button)

**Layers**

4. Categories (dropdown menu)

Layer	Events
Station Boundary	22
Surface Area - Mile Increme...	401
Tenth Mile Posts	4006
Through Lanes	55
TIGS Projects	221
Urban Code	12
Walls	98
Airport Pavements	0
Bike Lanes	0
Commission Districts	0
Counties	0

5. (points to the Layers table)

6. Barriers, Rumble Strips (Filtered Layer list)

Reset Location Start Over Go

1. Drop down to select the route. P is for positive (Northbound) and N is for Negative (southbound) only when the road is divided. Otherwise northbound and southbound are under the positive.
2. Mile posts boundary. Regardless if you are on a positive or negative route, the left cell is the lower mile post number.
3. If the layers (# 5) do not automatically populate CLICK "Enter".
4. "Categories" is optional. This will reduce the number of layer options. Only displaying the layer pertaining to that category.

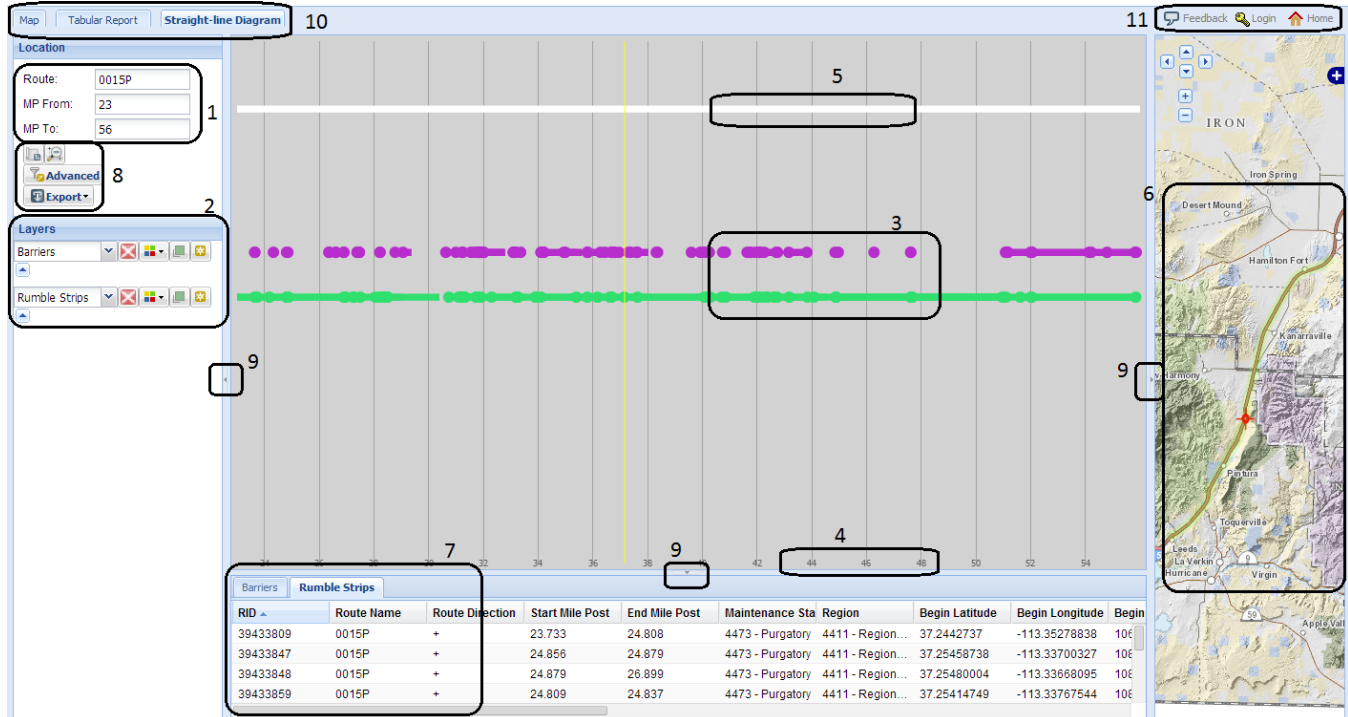
number of times that layer appears on the selected route between the selected mile posts. The layers are in alphabetical order for layers that appear one or more times in the selected range and a second set are in alphabetical order at the bottom for layers that do not appear in the selected range. For information about a layer, hover the mouse over the layer name and a brief description will appear. To add a layer simply click on it and it will be added to the Filtered Layers (#6).

5. A display of layers and the

Medians	2547
Pavement	253
Rumble S	
Sign Asse	
Sign Face	
Signal Pol	

Dataset contains median locations along state routes. Descriptive information includes median type, width, traffic island presence and protection presence. Dataset to be used in conjunction with barriers and islands data. Width value of 999 generally indicates large median great than 300ft. Location information is x,y and milepost. Location information is generally accurate to within 5ft. Inventory was collected in summer of 2012 via LIDAR and photolog.

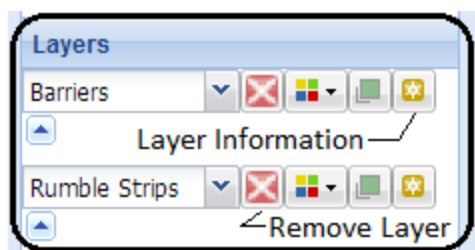
6. These are the layers that will appear when “Go” is selected. To remove a selected layer, simply click on it.



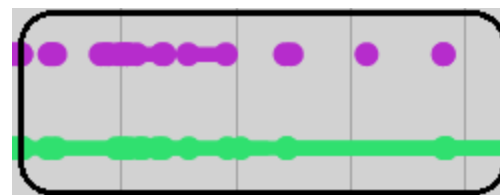
1. Displays the selected route and mile posts. To return to the selection summary (previous page), click on either the route or mile post. Note: The mile posts automatically change when you zoom in or out in areas 3-5. This will also change the quantities expressed.

Route: 0015P  
MP From: 23  
MP To: 56

2. Layer information



3. Visual where the layer occurs. Clicking on a dot (event) or line will bring up more information.



- 3a. When an even is selected, the summary of all the even appear. Select the layer from the list below and it will populate the next tab (3b) with that layer's information.

Report	
3a	3b
Event summary_25.55MP	Information
Layer Name	Identifier
Rumble Strips	Rumble Strip Location = Right Shoulder
Rumble Strips	Rumble Strip Location = Thru Lane

- 3b. The selected layer information is displayed in the second tab. And the location is highlighted on the layer



line.

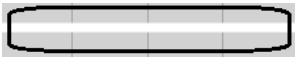
**Report** 3b



Event summary\_25.55MP **Rumble Strips**

Attribute	Data
RID	39434261
ROUTE_NAME	0015P
ROUTE_DIR	+
START_ACCUM	24.174
END_ACCUM	27.128
STATION	4473 - Purgatory
REGION	4411 - Region 4 Maint ...
BEGIN_LATITUDE	37.24832267
BEGIN_LONGITUDE	-113.34645429
BEGIN_ALTITUDE	1069.061861
RUMBLESTRIP_ID	-J-IAYFIFx5nxmw42RbQGF
END_LATITUDE	37.27959593
END_LONGITUDE	-113.31027547
END_ALTITUDE	1132.601479
COLLECTED_DATE	08/04/2012
RATER_COMMENTS	
PAVEMENT_TYPE	Asphalt


Jump to  Go Zoom To Event

4.  Mile posts are displayed along the bottom of the page.

5. The white bar is the selected route. If  there are side streets, they appear as you zoom in and eventually the street names appear too.

6. Is a map of your selected route. The highlighted section shows the range between the selected  posts. The red cursor  corresponds with the yellow line and shows where you are located on the map. You can zoom in and out of the map without affecting your selected mile posts.

7. A table appears at the bottom of the page with a tab for each layer. Hovering over the top of the table, just below the mile posts, allows you



**Barriers** **Rumble Strips**

RID	Route Name	R
39433809	0015P	+

to increase or decrease the size of the table.

8. **8a** – Changes the map orientation out to the whole route, changing your selected layers. There are a to expand the route for all of your selected layers. Note: It's recommended to only do "the selected route segment". "All routes" and "the entire selected route" for larger routes tend to be too much information and will take hours to export. **8c.2** – If selected all of the layers in the box below 8c.3 will be exported. **8c.3** – If selected only the layer(s) selected in the box below 8c.3 will be exported. The exported file appears as an excel file in the lower left corner of the page for google chrome and as a pop up asking to either open or save in internet explorer. **8d** – Provides additional filtering options by area and for each layer.



from the right side to the top and back. **8b** – Zooms your mile post to 0 to Max. **8c** – Exports a table of few options when exporting a table. **8c.1** – Allows you

**Export Layer Data**

Would you like to download the data of

-----Route Filter-----

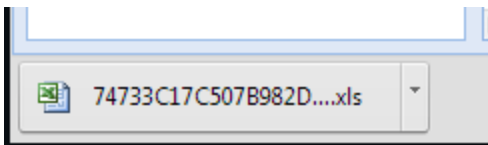
8c.1 { ☐ All routes  
☐ the entire selected route  
☒ the selected route segment

-----Layer Filter-----

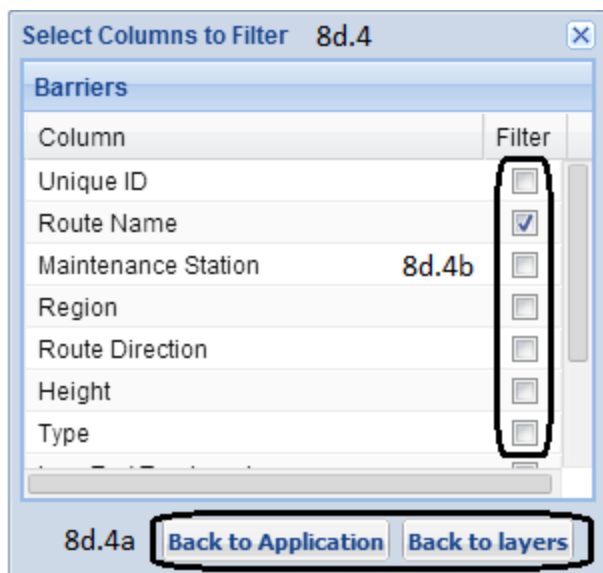
8c.2 ☐ and all layers in the filter  
8c.3 ☒ and selected layer(s)

Selected	Layer Name
<input checked="" type="checkbox"/>	Barriers
<input type="checkbox"/>	Rumble Strips

Cancel Export



If a change is not present after applying a filter, refresh the page. A figure depicting 8d.1 – 8d.4 can be found below. **8d.1** – Layers can be added or removed by checking/unchecking the boxes. The current layers are checked and at the top. The rest of the layers are in alphabetical order below. The layers can be filtered all together by areas, individually or both. Areas on the right side affect all the layers. **8d.2** – Hides and unhides the selection options in the folders. Select a region or county by double clicking that region or county. When a county or region is selected it will appear as 8d.3. Only one area can be selected at a time. **8d.3** – Is the selected filter area if an area is selected. Once applied ("Go") only parts of the layer that falls in that area will be displayed. Note: In straight-line Diagram (See 10), only the layers within the area and within the location (See 1) will be displayed. Whereas the Map (See 10) is not affected by the location (See 1) and will display the layer(s) on all the routes within the area unless modified using 8d.4. **8d.4** – Are filters that apply to a specific layer. If a layer(s) have filters applied, the box will be checked. To to add or remove filters, click the box. A new window will open.



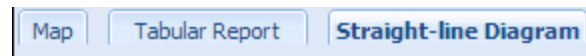
**8d.4a** – “Back to Application” will take you back to the main viewing screen and “Back to Layers” will return you to the previous window. **8d.4b** – A check box indicates an active filter for that category. Clicking a box, checked or unchecked, will open another window for filters (**8d.5**).

The category (Route Name, Region, Maintenance Station etc)


has already been selected by which box you clicked. **8d.5a** – A drop down provides the option to filter using “In”, “=” or “like”. **8d.5b** – Here is where you type the value, name or reference that will be filtered for. **Note:** It is important to know how the name or number is written in the layer. In the example of 8d.5, a route number of 0015 will return nothing, but a route number of 0015P returns the rumble strips under route 0015P. Maintenance stations are expressed differently depending on the layer. Once 8d.5a and 8d.5b have information filled in, **8d.5c** will no longer be grayed out and can be clicked to add the filter. **8d.5d** – Displays all the active filters for the selected layer. **8d.5e** – The funnel with the red X will delete all the filters for the layer and the red circle will delete only the selected layer. **8d.5f** – “Back to Application” will take you back to the main viewing screen and “Back to Columns” will return you to the previous window.

9. In three locations, the small triangle  either hides or unhides the side information (Location and layers, table and map).

10. There are three tabs to choose from.



**Straight-line Diagram** is the default tab and what this explanation has been based off of thus far. **Map** will show the selected layers for the entire state unless filters are added in the advanced filters (8d). **Tabular Report** is similar to the exported file.

11.  **Home** takes you back to Data Portal home page. **Feedback** provides a place to send an email with questions or comments.